

INTERNATIONAL CIVIL AVIATION ORGANIZATION WESTERN AND CENTRAL AFRICA OFFICE

Twenty-sixth Meeting of the AFI Satellite Network Management Committee (SNMC/26) (Ouagadougou, Burkina Faso, 19-23 November 2018)

Agenda Item 1: Follow up on SNMC/25 Conclusions and Decisions

(Presented by the secretariat)

SUMMARY

The purpose of this paper is to inform the meeting on the status of implementation of the conclusions and Decisions of SNMC 25 meeting held in Freetown, Sierra Leone, from 18 to 22 November 2017.

Reference: SNMC 25th Report

Action by the meeting in paragraph 3

1. Introduction

1.1 The Working discusses the status of implementation of Conclusions and Decisions adopted by the SNMC/24th Meeting held in Freetown, Sierra Leone, from **18** to **22** November 2017.

1.2 Follow-up actions indicated in the tables have been established according to information available at the Secretariat.

2. Discussion

2.1 The 25th meeting of SNMC (SNMC/25) held in Freetown, Sierra Leone, from 18 to 22 November 2017 was attended by Fifty-Five eight (55) participants from five (05) Air Navigation Service Providers (*ASECNA-17 States, GCAA-Ghana, NAMA-Nigeria, the Roberts FIR-Guinea, Liberia, Sierra Leone and* ATNS, *South Africa*), the Guinean, the Liberian and the Nigerian Civil Aviation Authorities (AGAC & NCAA), and two (02) representatives of the satellite industry (BAY SAT/POLAR SAT & ENGIE INEO)

2.2 The meeting deliberated on ten (10) agenda items and formulated (15) Conclusions and Seven (07) Decisions.

2.4 The secretariat developed the final report that was circulated, finalized and posted at: <u>https://www.icao.int/WACAF/Pages/SNMC-25.aspx</u>



Since then, many actions have been undertaken by States/Organizations and the secretariat for the implementation of these conclusions and decisions. The status of implementation has been developed as attached **Appendix** to this working Paper

3. Action Required

The meeting is invited to:

a) Review and up-date the status of implementation of SNMC/25 Conclusions and Decisions as attached in **Appendix** to this paper.

b) Agree on any other follow-up action thereon.



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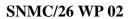
WESTERN AND CENTRAL AFRICA OFFICE

Twenty-fifth Meeting of the AFI Satellite Network Management Committee (SNMC/25)

Appendix

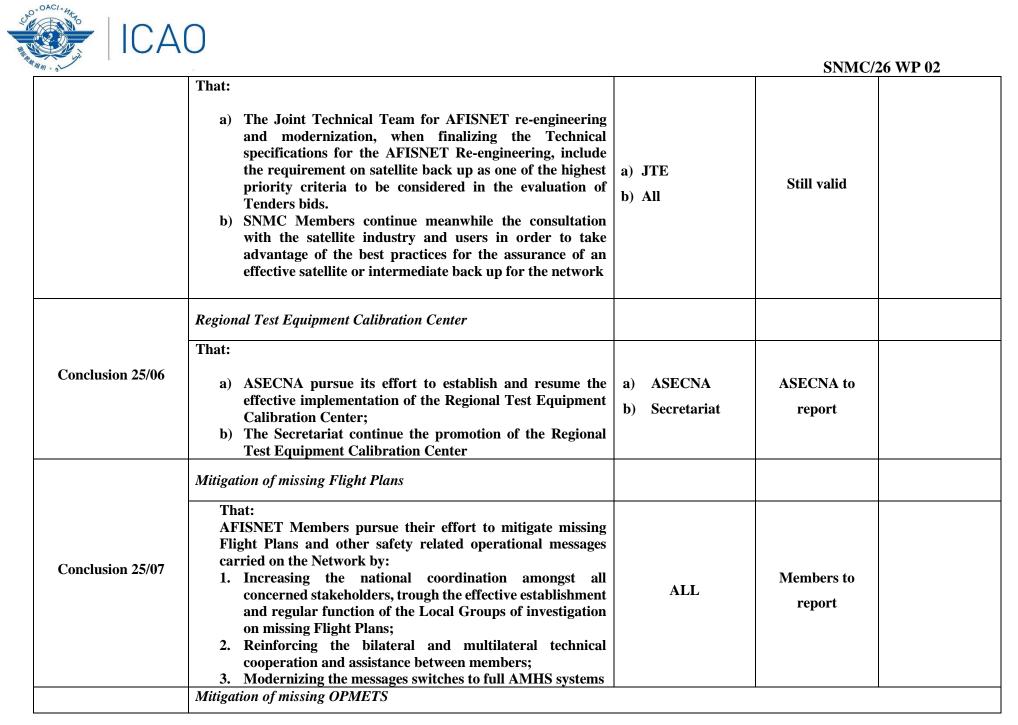
Status of implementation of the Conclusions/Decisions of SNMC 25

Agenda Item 1: Follow up Conclusions and Decisions of SNMC/25 st meeting						
Conclusions/Decision	Text	Organization	Status of implementation	Comments		
Conclusion 25/01	Implementation of SNMC outstanding Conclusions/Decisions That: Concerned SNMC member Organizations are urged to implement the outstanding Conclusions/Decisions of SNMC previous meetings including those related to SNMC/24's as presented in Appendix B to this report	All	Still valid			
Conclusion 25/02:	 Follow up and Implementation of the outcome of SNMC 25th and future meetings That: a) SNMC members update not later than 31 January 2018, the list of the Team of Focal Points established by SNMC 24 with the complete contact details for e-meetings (E-mailings and teleconferences); b) The SNMC current Coordinator (Robert FIR) with the assistance of the Secretariat endeavor to find the appropriate mechanism to efficiently follow up the implementation of the conclusions/decisions of SNMC meetings through the activities of the Team of Focal Points. 	a) All b) Roberts FIR	Not Implemented			





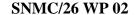
Decision 25/03	 <i>Finalization of the SNMC Website</i> That: a) The mandate of the Study Committee established by SNMC/24 and tasked to identify opportunities for the marketing of the SNMC Website (Decision 24/04) is expanded to identify the nature of information from ANSPs to be uploaded, the interest of the industry in the SNMC Webpage, the mechanism of operation and maintenance of the Website; b) Members as a matter of urgency appoint and forward to the Roberts FIR and GCAA their nominees in the Study Committee not later than 28/02/2018. c) The funding of the operation and maintenance of the Website shall be supported on a rotational basis by the ANSP currently coordinating the SNMC, until it attains its financial autonomy through cost recovery of services 		a) Implemented b) GCAA and Roberts to report c) Roberts to report
Decision 25/04	 Implementation of the E-Learning project That: a) A SNMC Group of Experts under the leadership of ASECNA is established with the mandate to identify the training courses to be delivered through E-Learning and the adequate resources to support E-Learning; b) Based on the common Training Manual, the Group of Experts with the assistance of the Secretariat finalize the E-Learning document not later than 30/06/2018 for approval by the SNMC Board. 	a) All b) ASECNA	ASECNA to report
Conclusion: 25/05	Satellite back up		





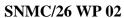
SNMC/26 WP 02

	SNMC/26 WP 02			
That: Concerned members namely GCAA and NAMA expedite the finalization of the signature of MoUs with their Departments in charge of Meteorology in order to reduce the rate of missing OPMETs	GCAA & NAMA	GCAA & NAMA to report		
v of AFISNET operational and technical statistics of availability				
Text	Organization	Status of implementation	Comments	
Restoration of AFS failing circuits				
That: As a matter of urgency, concerned ANSPs take the appropriate actions aimed at restoring the failing Aeronautical Fixed Service (ATS/DS, AFTN) circuits identified by SNMC/25 and presented at Appendix F.	ALL	Members to report		
Coordination of maintenance operation				
 That: In order to ensure effective maintenance coordination between centers: a) AFISNET CAAs consider in their Oversight system, Human Factors of air Traffic Safety Electronic Personnel (ATSEP) as a contributive element to the reinforcement of aeronautical safety; b) AFISNET ANSPs improve the language proficiency of their maintenance staff, organize in a regular basis, exchange of technical personnel and ensure the availability of maintenance Focal Points contacts details that will be regularly updated at each SNMC meeting, to facilitate maintenance operation 	ALL	Members to report		
Protection of AFISNET stations against lightning				
	Concerned members namely GCAA and NAMA expedite the finalization of the signature of MoUs with their Departments in charge of Meteorology in order to reduce the rate of missing OPMETs v of AFISNET operational and technical statistics of availability Text <i>Restoration of AFS failing circuits</i> That: As a matter of urgency, concerned ANSPs take the appropriate actions aimed at restoring the failing Aeronautical Fixed Service (ATS/DS, AFTN) circuits identified by SNMC/25 and presented at Appendix F. <i>Coordination of maintenance operation</i> That: In order to ensure effective maintenance coordination between centers: a) AFISNET CAAs consider in their Oversight system, Human Factors of air Traffic Safety Electronic Personnel (ATSEP) as a contributive element to the reinforcement of aeronautical safety; b) AFISNET ANSPs improve the language proficiency of their maintenance <i>staff</i> , organize in a regular basis, exchange of technical personnel and ensure the availability of maintenance Focal Points contacts details that will be regularly updated at each SNMC meeting, to facilitate maintenance operation	Concerned members namely GCAA and NAMA expedite the finalization of the signature of MoUs with their Departments in charge of Meteorology in order to reduce the rate of missing OPMETs v of AFISNET operational and technical statistics of availability Text Organization Restoration of AFS failing circuits ALL That: As a matter of urgency, concerned ANSPs take the appropriate actions aimed at restoring the failing Aeronautical Fixed Service (ATS/DS, AFTN) circuits identified by SNMC/25 and presented at Appendix F. ALL Coordination of maintenance operation That: ALL In order to ensure effective maintenance coordination between centers: a) AFISNET CAAs consider in their Oversight system, Human Factors of air Traffic Safety Electronic Personnel (ATSEP) as a contributive element to the reinforcement of aeronautical safety; ALL b) AFISNET ANSPs improve the language proficiency of their maintenance staff, organize in a regular basis, exchange of technical personnel and ensure the availability of maintenance Focal Points contacts details that will be regularly updated at each SNMC meeting, to facilitate maintenance operation	That: Concerned members namely GCAA and NAMA expedite the finalization of the signature of MoUs with their Departments in charge of Meteorology in order to reduce the rate of missing OPMETs GCAA & NAMA GCAA & NAMA v of AFISNET operational and technical statistics of availability Text Organization Status of implementation Restoration of AFS failing circuits Text Organization Status of implementation Restoration of AFS failing circuits ALL Members to report That: AS a matter of urgency, concerned ANSPs take the appropriate actions aimed at restoring the failing Aeronautical Fixed Service (ATS/DS, AFTN) circuits identified by SNMC/25 and presented at Appendix F. ALL Members to report Coordination of maintenance operation In order to ensure effective maintenance coordination between centers: a) AFISNET CAAs consider in their Oversight system, Human Factors of air Traffic Safety Electronic Personnel (ATSEP) as a contributive element to the reinforcement of acronautical afety; ALL Members to report b) AFISNET ANSPs improve the language proficiency of their maintenance staff, organize in a regular basis, exchange of technical personnel and ensure the availability of maintenance Focal Points contacts details that will be regularly updated at each SNMC meeting, to facilitate maintenance operation ALL	





That: ANSPS provide AFISNET maintenance personnel with an adequate strategy and sufficient resources to conduct the Members to All appropriate actions such as but not limited to measuring of the report earth and limitation of its resistance to the standardized value aimed at efficiently protecting AFISNET stations against lightning. Agenda Item 3: Evaluation and Re-engineering of AFISNET (Implementation of Special AFI/RAN meeting Recommendations 6/18) Review & Update of the planning for the re-engineering and modernization of AFISNET **Conclusions/Decision** Text Organization Status of **Comments** implementation Finalization of the Technical Specification and project scheme for **AFISNET** re-engineering and modernization That: Under the coordination of ASECNA, and taking into Decision 25/12: consideration the requirements for the interconnections between **ASECNA** toi AFISNET with its neighboring networks in particular All SADC/NAFISAT. the Joint Technical Team for AFISNET rereport engineering and modernization complete the Technical Specification and the project scheme for AFISNET reengineering and modernization not later than 15/02/2018. Funding Mechanisms for AFISNET re-engineering and modernization That: The detailed project cost estimation updated by the Joint a) Conclusion 25/13 **Technical Team for AFISNET re-engineering and modernization** be forwarded by the Secretariat to the ECOWAS Commission Secretariat Implemented for consideration in the roundtable of the donors for the ECOWAS regional project in the area of transport ICAO continue the coordination actions with ECOWAS **b**) in preparation of the roundtable with the funders. Conclusion 25/14 Finalization of the Memorandum of Understanding (MoU)



ASECNA to report

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	That: As a matter of urgency ANSPs who have not yet done so endeavor to provide not later than 09/03/2018, ASECNA with their comments on the draft Memorandum of Understanding aimed at governing the framework of bilateral and multilateral cooperation between members.	GCAA, NAMA Roberts	Implemented	
	Coordination meeting of the SNMC Board			
Conclusion 25/15	 That: a) An SNMC Board coordinating meeting be convened in Dakar during the first quarter of year 2018 in order to approve the AFISNET re-engineering and modernization Project scheme and signed the Memorandum of Understanding (MoU) previously finalized by ASECNA after review and inputs by GCAA, NAMA and the Roberts FIR; b) The Secretariat facilitate the organization of the coordination meeting with the assistance of ASECNA 	ALL	implemented	
Agenda Item 4: Interco	onnection and interoperability of AFISNET with its neighboring netw	orks (CAFSAT, NAF	ISAT, SADC2)	
Conclusions/Decision	Text	Organization	Status of implementation	Comments
	Monitoring of the performance of the links established through the interconnection of AFISNET with its neighboring Networks			

Decision 25/16	That:		+
	ASECNA take the appropriate actions in order to follow up and monitor the performance of the links established through the interconnection of AFISNET with its neighboring Networks (SADC 2, NAFISAT, CAFSAT) and report to the SNMC.	ASECNA	

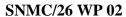
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Conclusions/Decision	Text	Organization	Status of implementation	Comments
	Restoration of the Accra/Luanda link			
Conclusion 25/17	That: ATNS, ASECNA, GCAA and ENANA pursue their consultation in order to identify the technical causes of the dysfunction of the link between Accra (AFISNET) and Luanda (SADC 2) and conduct the remedial actions aim at restoring its performance	GCAA	GCAA to report	
Agenda Item 5: Outcom	mes of APIRG 21 st Meeting			
	Consideration of APIRG Regional Project Approach for the modernization of AFISNET			
Conclusion 25/18	That: In the framework of the network re-engineering and modernization, ANSPs take into account the APIRG identified and approved regional projects that may have linkage with	ALL	Still valid	
	AFISNET to ensure coordination and avoid duplication			
	Cyber Safety and resilience of AFISNET			
Conclusion 25/19	 That: In order to ensure the Cyber Safety and resilience of AFISNET ANSPs endeavor to: a) Conduct Gap analysis to identify AFISNET cyber vulnerabilities and mitigate the related risks; b) Consider the protection of AFISNET against cyber threat in the technical specification; c) Provide with the support of ICAO, technical and operational personnel with the adequate education 	ALL	Still valid	
Decision 25/20	training in the matter Expansion of the Mandate of the Joint Technical Team to address issues on Cyber Safety and resilience of AFISNET			



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Agenda Item 6: Evolut	That: The mandate of the Joint Technical Team for AFISNET re- engineering and modernization is expanded to address issues on Cyber Safety and resilience of AFISNET. The team will conduct its activities in this area under the coordination of the rolling SNMC coordinator and report to SNMC ions on Satellite Communication Technology	ALL	Still valid	
	ration of the ITU World Radiocommunication Conference 2019 (WR	C-19)		
Decision 25/21	Support to ICAO Position for WRC-19 That: a) A regional preparatory conference involving various partners (CAAs, ANSPs, Airlines, Aerodrome Operators, Telecommunication Regulator) should be organized during year 2018 with the aim to develop a consistent document summarizing the concern of the African Civil Aviation community on WRC-19 agenda items; b) The Secretariat in collaboration with SNMC CAAs, ANSPs and the industry initiate and coordinate the effective preparation of the conference v of the Term of reference and Work Programme of SNMC	a) All	Not implemented	
Conclusions/Decision	Text	Organization	Status of implementation	Comments
Decision 25/22	Adoption of the Term of reference and Work Programme of SNMC That: The Term of Reference, Form of Agreement and Work Programme of SNMC are adopted as attached at Appendix H and may be further amended as necessary	All	Implemented	

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APPENDIX F

Outstanding deficiencies identified by SNMC/25

No.	Identified circuit	Service	Actors	Comments	Deadline
1.	Abidjan/Roberts	ATS/DS			
2.	Accra/Cotonou	AFTN	GCAA/ASECNA		
3.	Accra/Lagos	ATS/DS	GCAA/NAMA		
5.		&AFTN			
4.	Accra/Libreville	ATS/DS	GCAA/ASECNA		
5.	Accra/Luanda	ATS/DS	GCAA/ATNS		
5.	Accia/Luanua	&AFTN			
6.	Accra/Kano	ATS/DS	GCAA/NAMA		
7.	Accra/Sao Tome	ATS/DS	GCAA/ASECNA		
8.	Brazzaville/Kano	AFTN	ASECNA/NAMA		
9.	Dakar/Roberts	AFTN	ASECNA/Roberts		
10		ATS/DS	ASECNA/NAMA		
10.	Lagos/Niamey	&AFTN	ASECINA/ NAIVIA		